[aps,psfig,prc,preprint,epsfig,showpacs]revtex4 graphicx

document

p+ [4,6,8] $He elastic scattering at intermediate energies E. Baldini - Neto, B.V. Carlson, R.A. Rego Departamento de F\acute{C}sica$

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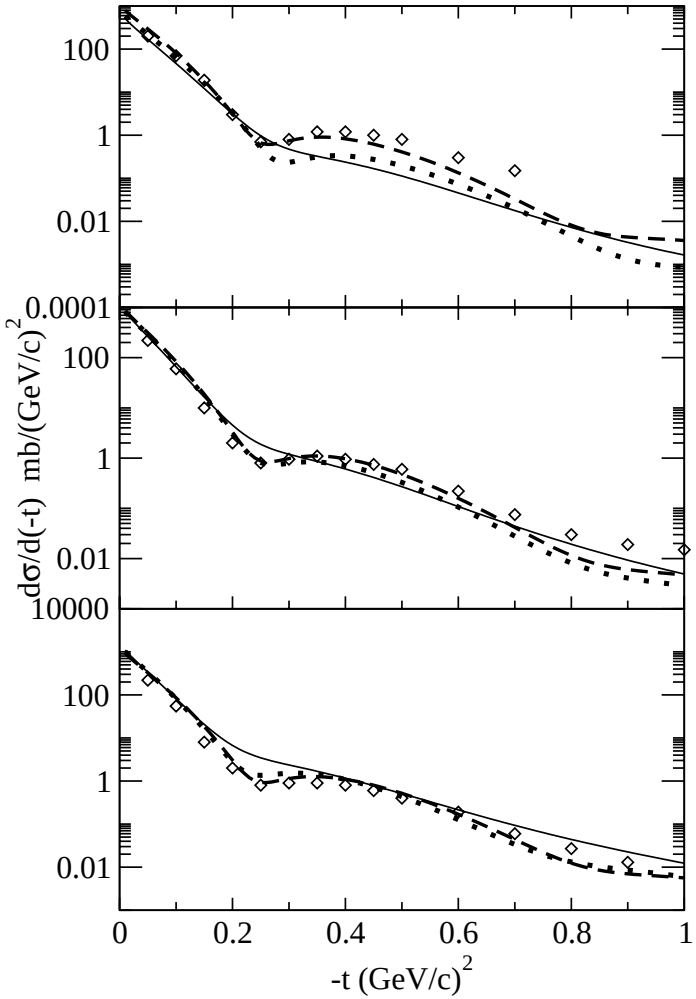
abstract Using a relativistic nuclear optical potential consisting of a Lorentz scalar, V_s, $and the time - like component of a four - vector potential, V_0$, $we calculate elastic scattering differential cross sections and polarizations for p+ He at intermediate energies for which experimental data are available. We also calculate the differential cross sections and analy He at intermediate energies and compare with the few available experimental data.$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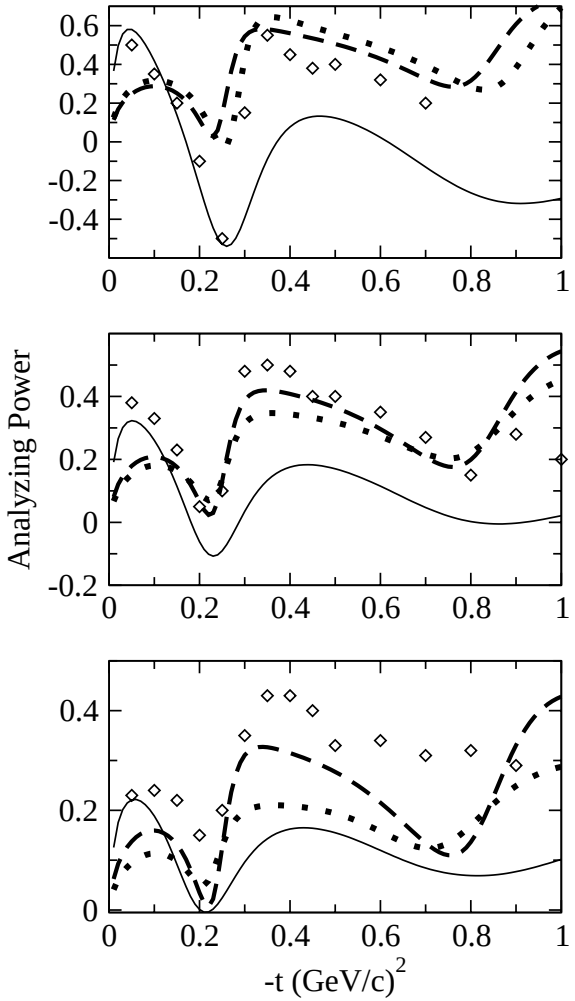
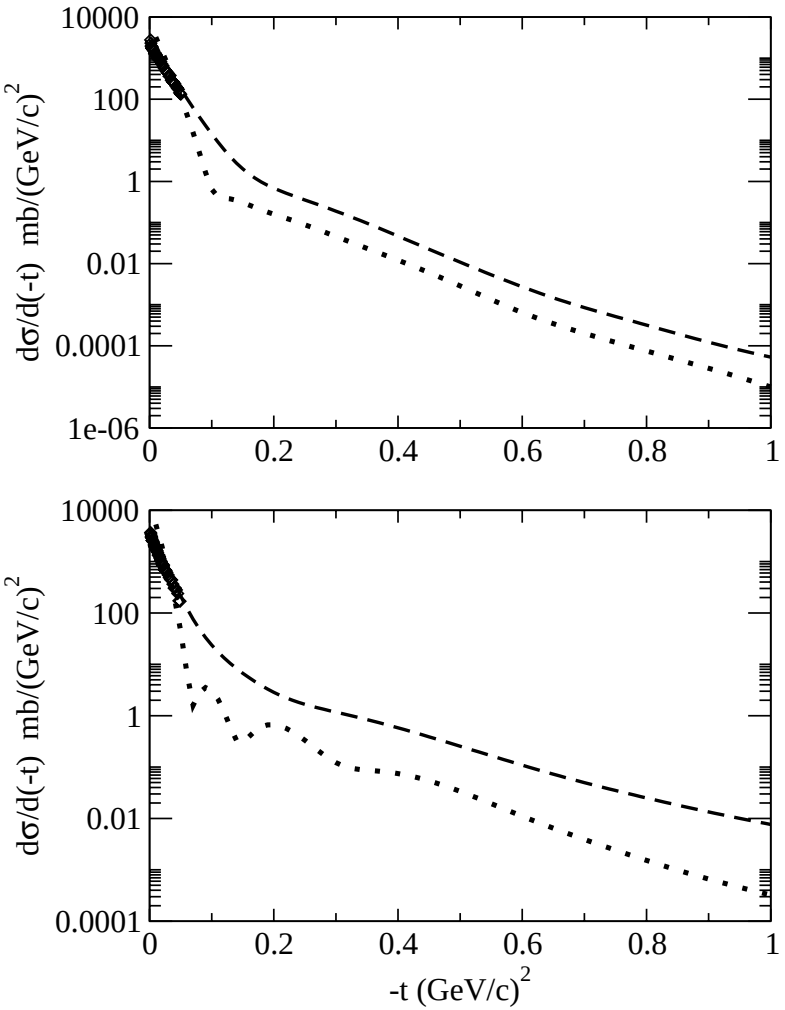
dσ/d(-t) mb/(GeV/c)^2
-t (GeV/c)^2


Analyzing Power
-t (GeV/c)^2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10000
100
1
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0.4
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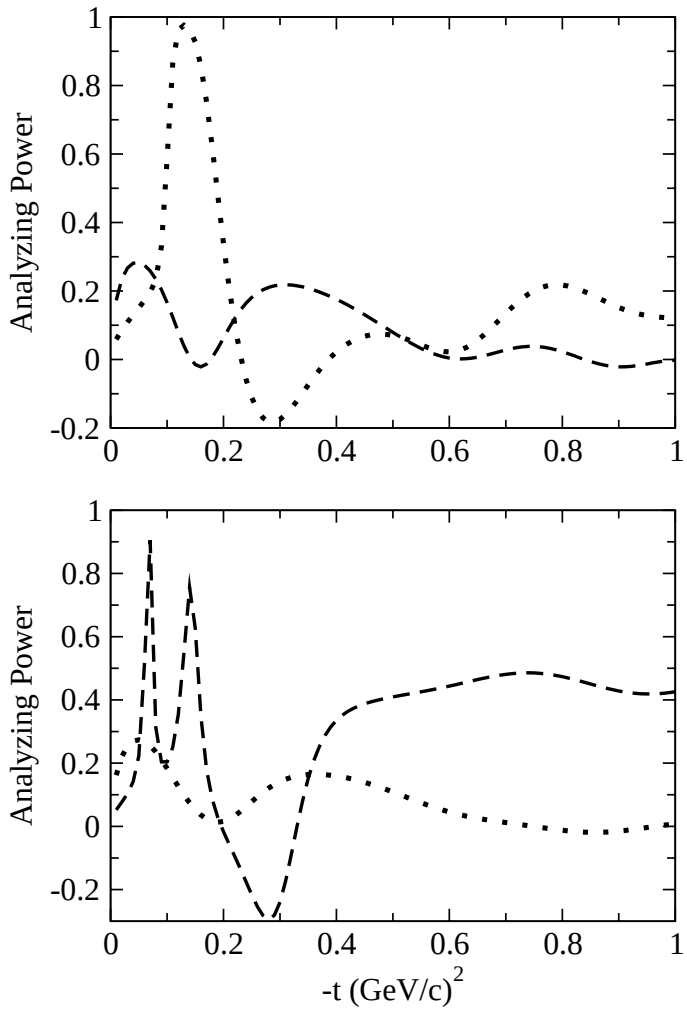
0.8
1
dσ/d(-t) mb/(GeV/c)^2
-t (GeV/c)^2


Analyzing Power
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0.8
0.6
0.4
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0
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0
0.2
0.4
0.6
0.8
1
Analyzing Power
-t (GeV/c)^2